Workflow Sheet

Efficient, Esthetic, Functional Designs

E4D TECHNOLOGIES

nEVO™

SCAN

Buccal Bite Scanning

Scan Pre-op
Pre-op and 90% of adjacent teeth

Scan Opposing
100% Occlusal and 2 mm of buccal gingival data

Scan Prep
Time Saver & erase - 100% of Prep and contacts

Click **Data Density View** to evaluate for low data

Use the **Eraser** tool to remove excess cheek or tongue.

Scan Buccal
Capture all teeth associated in Prep & Opposing scans

Verify buccal alignment, and re-align if needed

Verifying the appropriate amount of scan data will ensure a better fitting restoration

MARGIN

Orientation
(Check from these views)
Occlusal - Buccal/Lingual tip
Distal - Align buccal cusps
Buccal - Marginal ridges

Trace Margin
From the occlusal view mark the margin on the shoulder

Click **Show Features** as an aid to highlight high contour areas

Use **Move Margin** to adjust placement

Use **Add Segments** to redraw a portion

ICE mode can be used in margin detection; remember Stone mode is priority

"See it in stone, set it in stone!"

DESIGN

Tooth Libraries
Autogenesis ON - Click APPLY
Autogenesis OFF - Resize, Reposition, Re-Apply

Incremental Tools
Large adjustments to tooth position - Fitting the proposal in its space

Freeform Change Tools
Small adjustments to contour - Fine tuning the design

Material Thickness
Occlusal table - 1.5 to 2 mm (Dark Green/Blue)
Axial walls - 1.0 to 1.5 mm (Green)
Margins - 0.5 mm (Yellow)

Rubber Tooth
1st - Axial Walls
2nd - Marginal Ridges (Occlusal Table if needed)
3rd - Embrasures

Adjusting the Bite

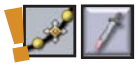
Activate **View Bite Registration** (click twice) then activate **View Contacts** to evaluate. Use **Contact Refinement** (small circles) to adjust to White, Brown, Black.

Adjusting Interproximal Contacts

Turn OFF **View Bite Registration** and activate **Hide Model**. Rotate to the mesial and distal to evaluate interproximal contacts. In **Freeform Change Tools**, click **Smooth Surface** to adjust to Light Green/Aqua surrounded by Dark Blue.

Recheck Material Thickness & Check Margins

Verify that design changes have not affected the appropriate material thickness for milling.



Margins should be Yellow. If Red/Orange, verify margin placement with **Move Margin**. Use **Dropper** as needed to add material.

MILL

Bright Yellow on the occlusal or axial surfaces indicates low material thickness and should be adjusted in the Design tab.

Sprue Position
Away from margins, contacts, and occlusion. Initial position is the fastest milling time.

Mill Sim
Check the internal fit of your restoration before milling.

Block Size Selection
Available block sizes depend on sprue position and material selected.

Congratulations!

QUESTIONS ABOUT DESIGN?
Contact Support @ 800.537.6070

For Bite Registration scanning and techniques, reference the E4D User Manual.

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